

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-16 (canceled)

Claim 17 (new): A display device having a semiconductor circuit, the semiconductor circuit comprising:

- a semiconductor layer formed on an insulating surface;
- source and drain regions and a channel region therebetween formed in the semiconductor layer;
- a metal silicide layer formed on each of the source and drain regions;
- a metal layer formed on each of the metal silicide layer; and
- a gate electrode formed adjacent to the channel region with a gate insulating film interposed therebetween;
- an insulating film formed over the gate electrode; and
- a wiring formed over the insulating film and connected to the metal layer,

wherein an operating speed of the semiconductor circuit is 10GHz or higher.

Claim 18 (new): A display device having a semiconductor circuit, the semiconductor circuit comprising:

- a semiconductor layer formed on an insulating surface;
- source and drain regions and a channel region therebetween formed in the semiconductor layer;
- a metal silicide layer formed on each of the source and drain regions;
- a metal layer formed on each of the metal silicide layer;

a gate electrode formed adjacent to the channel region with a gate insulating film interposed therebetween;

a pair of side walls formed at sides of the gate electrode;

an insulating film formed over the gate electrode; and

a wiring formed over the insulating film and connected to the metal layer,

wherein an operating speed of the semiconductor circuit is 10GHz or higher.

Claim 19 (new): A display device having a semiconductor circuit, the semiconductor circuit comprising:

a semiconductor layer formed on an insulating surface;

source and drain regions and a channel region therebetween formed in the semiconductor layer;

a metal silicide layer formed on each of the source and drain regions;

a metal layer formed on each of the metal silicide layer;

a gate electrode formed adjacent to the channel region with a gate insulating film interposed therebetween;

an insulating film formed over the gate electrode; and

a wiring formed over the insulating film and connected to the metal layer,

wherein an operating speed of the semiconductor circuit is 10GHz or higher,

wherein a field effect mobility of an N-channel type thin film transistor constituting the semiconductor circuit is 200 to 650 cm<sup>2</sup>/Vs, and

wherein the field effect mobility of a P-channel type thin film transistor constituting the semiconductor circuit is 100 to 300 cm<sup>2</sup>/Vs.

Claim 20 (new): A display device having a semiconductor circuit, the semiconductor circuit comprising:

a semiconductor layer formed on an insulating surface;

source and drain regions and a channel region therebetween formed in the semiconductor layer;

a metal silicide layer formed on each of the source and drain regions;

a metal layer formed on each of the metal silicide layer;

a gate electrode formed adjacent to the channel region with a gate insulating film interposed therebetween;

an insulating film formed over the gate electrode; and

a wiring formed over the insulating film and connected to the metal layer,

wherein an operating speed of the semiconductor circuit is 10GHz or higher, and

wherein the semiconductor circuit constitutes at least one of a pixel circuit, a source driver circuit, a gate driver circuit, a logic circuit, a CPU and a memory that are formed over a substrate.

Claim 21 (new): A display device having a semiconductor circuit, the semiconductor circuit comprising:

a semiconductor layer formed on an insulating surface;

source and drain regions and a channel region therebetween formed in the semiconductor layer;

a metal silicide layer formed on each of the source and drain regions;

a metal layer formed on each of the metal silicide layer;

a gate electrode formed adjacent to the channel region with a gate insulating film interposed therebetween;

a pair of side walls formed at sides of the gate electrode;

an insulating film formed over the gate electrode; and

a wiring formed over the insulating film and connected to the metal layer,

wherein an operating speed of the semiconductor circuit is 10GHz or higher, and

wherein the semiconductor circuit constitutes at least one of a pixel circuit, a source driver circuit, a gate driver circuit, a logic circuit, a CPU and a memory that are formed over a substrate.

Claim 22 (new): A display device having a semiconductor circuit, the semiconductor circuit comprising:

- a semiconductor layer formed on an insulating surface;
- source and drain regions and a channel region therebetween formed in the semiconductor layer;
- a metal silicide layer formed on each of the source and drain regions;
- a metal layer formed on each of the metal silicide layer;
- a gate electrode formed adjacent to the channel region with a gate insulating film interposed therebetween;

- an insulating film formed over the gate electrode; and
- a wiring formed over the insulating film and connected to the metal layer,

wherein an operating speed of the semiconductor circuit is 10GHz or higher,  
wherein a field effect mobility of an N-channel type thin film transistor constituting the semiconductor circuit is 200 to 650 cm<sup>2</sup>/Vs,

wherein the field effect mobility of a P-channel type thin film transistor constituting the semiconductor circuit is 100 to 300 cm<sup>2</sup>/Vs, and

wherein the semiconductor circuit constitutes at least one of a pixel circuit, a source driver circuit, a gate driver circuit, a logic circuit, a CPU and a memory that are formed over a substrate.

Claim 23 (new): A display device according to claim 17, wherein the display device is selected from the group consisting of a liquid crystal display device, an electrochromic display device and an electroluminescence display device.

Claim 24 (new): A display device according to claim 18, wherein the display device is selected from the group consisting of a liquid crystal display device, an electrochromic display device and an electroluminescence display device.

Claim 25 (new): A display device according to claim 19, wherein the display device is selected from the group consisting of a liquid crystal display device, an electrochromic display device and an electroluminescence display device.

Claim 26 (new): A display device according to claim 20, wherein the display device is selected from the group consisting of a liquid crystal display device, an electrochromic display device and an electroluminescence display device.

Claim 27 (new): A display device according to claim 21, wherein the display device is selected from the group consisting of a liquid crystal display device, an electrochromic display device and an electroluminescence display device.

Claim 28 (new): A display device according to claim 22, wherein the display device is selected from the group consisting of a liquid crystal display device, an electrochromic display device and an electroluminescence display device.

Claim 29 (new): A display device according to claim 17, wherein the display device is incorporated into an electronic device selected from the group consisting of a video camera, a digital still camera, a head-mounted display, a car navigation, a personal computer and a mobile information terminal.

Claim 30 (new): A display device according to claim 18, wherein the display device is incorporated into an electronic device selected from the group consisting of a video camera, a

digital still camera, a head-mounted display, a car navigation, a personal computer and a mobile information terminal.

Claim 31 (new): A display device according to claim 19, wherein the display device is incorporated into an electronic device selected from the group consisting of a video camera, a digital still camera, a head-mounted display, a car navigation, a personal computer and a mobile information terminal.

Claim 32 (new): A display device according to claim 20, wherein the display device is incorporated into an electronic device selected from the group consisting of a video camera, a digital still camera, a head-mounted display, a car navigation, a personal computer and a mobile information terminal.

Claim 33 (new): A display device according to claim 21, wherein the display device is incorporated into an electronic device selected from the group consisting of a video camera, a digital still camera, a head-mounted display, a car navigation, a personal computer and a mobile information terminal.

Claim 34 (new): A display device according to claim 22, wherein the display device is incorporated into an electronic device selected from the group consisting of a video camera, a digital still camera, a head-mounted display, a car navigation, a personal computer and a mobile information terminal